

## Tender Details

**Tender No:** SCL/PS3/2019E0164701

**Tender Date:** 06/02/2020

**Purchase Entity:** Pur\_Entity3

## Tender Notice

EProcurement Tender No. SCL/PS3/2019E0164701 dated February 06, 2020, SEMI-CONDUCTOR LABORATORY [SCL] invites ONLINE offers in TWO part system through e tender portal <https://eprocure.isro.gov.in> for Supply, Installation, Testing and Commissioning of LAN Horizontal Expansion of Fab Building. Tender Documents can be downloaded from February 10, 2020 to March 09, 2020. The vendors need to get enrolled in the e tender portal to access tender and submit their offer online. Vendors need to have Digital Signature Certificate as detailed on our eportal and corporate e-mail ID to register on the above portal. Only online tenders will be accepted. No Manual/Postal/courier/e-mail/fax tender will be entertained. Please note Tender fee shall not be applicable for tenders submitted on-line through this portal.

Vendor/s interested to participate in this eTender are required to register themselves as vendors, if not already registered, in our e-procurement portal <https://eprocure.isro.gov.in> by downloading plugins and help demos listed on the home page of the e-procurement link mentioned above to complete the vendor registration process. They can seek help from help desk +91 20 2531 5555/ Mobile No.91679 69601 (Email: [support.isro@nextenders.com](mailto:support.isro@nextenders.com)) also the home page of eprocurement portal may be accessed for any technical help for registration and subsequent process. Vendors may please note that without registering in our Eprocurement portal they will not be able to quote for this tender.

The tenders containing price information in Technical Part will be treated as unsolicited offers and rejected. Prices should be indicated in the Price Bid format only.

A Pre Bid Meeting shall be held with the prospective bidders at SCL on 18.02.2020 from 1100 hours (IST) onwards to clarify issues regarding the specifications and other associated technical / commercial details of the subject tender. The prospective bidders must, therefore, ensure that they or their authorized representatives attend the said Pre Bid Meeting in person / over tele conference / over skype as per the given schedule. In order to enable meaningful discussions in the Pre Bid Meeting, the prospective Bidders are requested to list the queries/clarifications planned to be sought by them on this Tender in the Pre Bid Meeting, in a Query Sheet and send us the said Query Sheet in advance to reach us at least three days before the Pre Bid Meeting at the email ID (harjeet@scl.gov.in / a\_budhwar@scl.gov.in / dc@scl.gov.in ). Before submitting the bids, all prospective bidders are requested to go through the minutes of proceeding of the Pre Bid Meeting which shall be placed at our website and take the same into account while submitting the bids.

The Vendor who do not attend in the Pre Bid Meeting, shall not be eligible for participating in the bidding process. If any vendor submit their bid without attending Pre Bid Meeting, their bid shall be treated as unsolicited bid.

## **Tender Attachments**

### **Technical Write-up/Drawings**

#### **Attachment - I:**

IDT002582000000000000isro05401.pdf

#### **Attachment - II:**

#### **Attachment - III:**

#### **Attachment - IV:**

#### **Attachment - V:**

### **DOS PM 20**

#### **DOS PM 20:**

INSTRUCTIONS TO TENDERERS AND TERMS and CONDITIONS (In case of Indigenous Vendor) OF TENDER

1. Bid /Open Authorization shall be submitted on line only complying specified schedule.
2. Late tenders and delayed tenders will not be considered.
3. GST and/or other duties/levies legally leviable and intended to be claimed should be distinctly shown separately in the tender.

4. (a) Your quotation should be valid for 90 days (single part tender) and 120 days (two part tender) from the date of opening of the technical bid.

(b) Prices are required to be quoted according to the units indicated in the annexed tender form. When quotations are given in terms of units other than those specified in the tender form, relationship between the two sets of units must be furnished.

5. (a) All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer.

(b) Samples, if called for, should be submitted free of all charges by the tenderer and the Purchaser shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of non acceptance of tender, the tenderer will have to remove the samples at his own expense.

(c) Approximate net and gross weight of the items offered shall be indicated in your offer. If dimensional details are available the same should also be indicated in your offer.

(d) Specifications: Stores offered should strictly confirm to our specifications. Deviations, if any, should be clearly indicated by the tenderer in his quotation. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and samples, wherever necessary, along with the quotations. Test Certificates, wherever necessary, should be forwarded along with supplies. Wherever options have been called for in our specifications, the tenderer should address all such options. Wherever specifically mentioned by us, the tenderer could suggest changes to specifications with appropriate response for the same .

6. The purchaser shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portions of the quantity offered and the tenderers shall supply the same at the rates quoted.

7. The tenderer should supply along with his tender, the name of his bankers as well as the latest Income Tax clearance certificate duly countersigned by the Income Tax Officer of the Circle concerned under the seal of his office, if required by the Purchaser.

8. The Purchaser reserves the right to place order on the successful tenderer for additional quantity up to 25% of the quantity offered by them at the rates quoted.

9. The authority of the person signing the tender, if called for, should be produced .

## TERMS and CONDITIONS OF TENDER

### 1. DEFINITIONS:

(a) The term PURCHASER shall mean the President of India or his successors or assigns.

(b) The term CONTRACTOR shall mean, the person, firm or company with whom or with which the order for the supply of stores is placed and shall be deemed to include the Contractor's successors, representative, heirs, executors and administrators unless excluded by the Contract.

(c) The term STORES shall mean what the Contractor agrees to supply under the Contract as specified in the Purchase Order including erection of plants and machinery and subsequent testing, should such a condition is included in the Purchase Order.

(d) The term PURCHASE ORDER shall mean the communication signed on behalf of the Purchaser by an Officer duly authorised intimating the acceptance on behalf of the Purchaser on the terms and conditions mentioned or referred to in the said communication accepting the tender or offer of the Contractor for supply of stores or plant, machinery or equipment or part thereof.

2. PRICES: Tender offering firm prices will be preferred. Where a price variation clause is insisted upon by a tenderer, quotation with a reasonable ceiling should be submitted. Such offers should invariably be supported by the base price taken into account at the time of tendering and also the formula for any such variation/s.

### 3. SECURITY DEPOSIT:

On acceptance of the purchase order, the Contractor shall submit security deposit for ten percent (10 percent) value of the Purchase Order (PO) within 15 days from the date of receipt of PO towards successful execution of the PO. Security Deposit shall be submitted through Demand Draft / Bankers Cheque/ fixed deposit receipt or Bank Guarantee from any of the Scheduled Banks executed on non judicial stamp paper of appropriate value, and shall be valid for a period of sixty (60) days beyond the date for completion of the Purchase Order.

This will be returned by SCL immediately on execution of the PO satisfactorily as per order terms. If not, the amount will be forfeited.

Central PSUs/PSEs/PSEs/Autonomous Bodies/MSEs shall be exempted from the payment of Security Deposit, and instead, an Indemnity Bond shall be secured from them in lieu of the Security Deposit.

4. PACKING FORWARDING and INSURANCE: The Contractor will be held responsible for the stores being sufficiently and properly packed for transport by rail, road, sea or air to withstand transit hazards and ensure safe arrival at the destination. The packing and marking of packages shall be done by and at the expense of the Contractor. The purchaser will not pay separately for transit insurance, all risks in transit being exclusively of the Contractor and the Purchaser shall pay only for such stores as are actually received in good condition in accordance with the Contract.

5. TEST CERTIFICATE: Wherever required, test certificates should be sent along with the dispatch documents.

### 6. ACCEPTANCE OF STORES:

(a) The stores shall be tendered by the Contractor for inspection at such places as may be specified by the purchaser at the Contractor's own risk, expense and cost.

(b) It is expressly agreed that the acceptance of the stores Contracted for, is subject to final approval by the purchaser, whose decision shall be final.

(c) If, in the opinion of the purchaser, all or any of the stores do not meet the performance or quality requirements specified in the Purchase Order, they may be either rejected or accepted at a price to be fixed by the purchaser and his decision as to rejection and the prices to be fixed shall be final and binding on the Contractor.

(d) If the whole or any part of the stores supplied are rejected in accordance with Clause No. 8(c) above, the purchaser shall be at liberty, with or without notice to the Contractor, to purchase in the open market at the expense of the Contractor stores meeting the necessary performance and quality Contracted for in place of those rejected, provided that either the purchase, or the agreement to purchase, from another supplier is made within six months from the date of rejection of the stores as aforesaid.

7. REJECTED STORES: Rejected stores will remain at destination at the Contractor's risk and responsibility. If instructions for their disposal are not received from the Contractor within a period of 14 days from the date of receipt of the advice of rejection, the purchaser or his representative has, at his discretion, the right to scrap or sell or consign the rejected stores to Contractor's address at the Contractor's entire risk and expense, freight being payable by the Contractor at actuals.

#### 8. DELIVERY:

(a) The time for and the date of delivery of the stores stipulated in the Purchase Order shall be deemed to be the essence of the Contract and delivery must be completed on or before the specified dates.

(b) Should the Contractor fail to deliver the stores or any consignment thereof within the period prescribed for such delivery, the purchaser shall be entitled at his option either.

(i) to recover from the Contractor as agreed liquidated damages and not by way of penalty, a sum of 0.5% per week of the price of any stores which the Contractor has failed to deliver as aforesaid or during which the delivery of such store may be in arrears subject to a minimum of 10%, or

(ii) to purchase from elsewhere, without notice to the Contractor on the account and at the risk of the Contractor, the stores not delivered or others of a similar description (where others exactly complying with the particulars, are not, in the opinion of the purchaser, readily procurable, such opinion being final) without cancelling the Contract in respect of the consignment (s) not yet due for delivery, or

(iii) to cancel the Contract or a portion thereof and if so desired to purchase or authorise the purchase of stores not so delivered or others of a similar description (where others exactly if complying with the particulars are not, in the opinion of the purchaser, readily procurable, such opinion final) at the risk and cost of the Contractor. In the event of action being taken under sub clause (ii) and (iii) of clause 10 (b) above, the Contractor shall be liable for any loss which the purchaser may sustain on that account, provided that the re purchase or if there is an agreement to repurchase then such agreement is made within six months from the date of such failure. But the Contractor shall not be entitled to any gain on such re purchase made against default. The manner and method of such re purchase shall be at the discretion of the purchaser, whose decision shall be final. It shall not be necessary for the purchaser to serve a notice of such re purchase on the defaulting Contractor. This right shall be without prejudice to the right of the purchaser to recover damages for breach of Contract by the Contractor.

9. EXTENSION OF TIME: As soon as it is apparent that the Contract dates cannot be adhered to, an application shall be sent by the Contractor to the purchaser. If failure, on the part of the Contractor, to deliver the stores in proper time shall have arisen from any cause which the purchaser may admit as reasonable ground for an extension of the time (and his decision shall be final) he may allow such additional time as he considers it to be justified by circumstances, of the case without prejudice to the purchaser's right to recover liquidated damages under clause 10 thereof.

10. ERECTION OF PLANT and MACHINERY: Wherever erection of a plant or machinery is the responsibility of the Contractor as per the terms of the Contract and in case the Contractor fails to carry out the erection as and when called upon to do so within the period specified by the purchaser, the purchaser shall have the right to get the erection done through any source of his choice. In such an event, the Contractor shall be liable to bear any additional expenditure that the purchaser is liable to incur towards erection. The Contractor shall, however, not be entitled to any gain due to such an action by the purchaser.

11. PAYMENT: Contractor's bill will be passed for payment only after the stores have been received, inspected and accepted by the Purchaser.



12. **MODE OF PAYMENT:**Normally payment will be made for the accepted stores within 30 days from the date of receipt of the materials.

13. **RECOVERY OF SUM DUE:**Whenever any claim for the payment of, whether liquidated or not, money arising out of or under this Contract against the Contractor, the purchaser shall be entitled to recover such sum by appropriating in part or whole, the security deposited by the Contractor, if a security is taken against the Contract. In the event of the security being insufficient or if no security has been taken from the Contractor, then the balance or the total sum recoverable as the case may be, shall be deducted from any sum then due or which at any time thereafter may become due to the Contractor under this or any other Contract with the purchaser. Should this sum be not sufficient to cover the full amount recoverable, the Contractor shall pay to the purchaser on demand the remaining balance due. Similarly, if the purchaser has or makes any claim, whether liquidated or not, against the Contractor under any other Contract with the purchaser, the payment of all moneys payable under the Contract to the Contractor including the security deposit shall be withheld till such claims of the purchaser are finally adjudicated upon and paid by the Contractor.

14. **INDEMNITY:**The Contractor shall warrant and be deemed to have warranted that all stores supplied against this Contract are free and clean of infringement of any Patent, Copyright or Trademark, and shall at all times indemnify the purchaser against all claims which may be made in respect of the stores for infringement of any right protected by Patent Registration of design or Trade mark and shall take all risk of accidents or damage which may cause a failure of the supply from whatever cause arising and the entire responsibility for sufficiency of all means used by him for the fulfilment of the contract.

15. **ARBITRATION:**In the event of any dispute/s, difference/s or claim/s arising out of or relating to the interpretation and application of the Contract, such dispute/s or difference/s or claim/s shall be settled amicably by mutual consultations of the good Offices of the respective Parties and recognizing their mutual interests attempt to reach a solution satisfactory to both the parties. If such a resolution is not possible, within 30 days from the date of receipt of written notice of the existence of such dispute/s, then the unresolved dispute/s or difference/s or claim/s shall be referred to the Sole Arbitrator appointed by the Parties by mutual consent in accordance with the rules and procedures of Arbitration and Conciliation Act 1996 as amended from time to time. The arbitration shall be conducted in New Delhi in the Arbitration and Conciliation Centre New Delhi (Domestic and International) as per its rules and regulations. The expenses for the Arbitration shall be shared equally or as may be determined by the Arbitrator. The considered and written decision of the Arbitrator shall be final and binding between the Parties. The applicable language for Arbitration shall be English only.

Work under the Contract shall be continued by the CONTRACTOR during the pendency of arbitration proceedings, without prejudice to a final adjustment in accordance with the decision of the Arbitrator unless otherwise directed in writing by the DEPARTMENT or unless the matter is such that the works cannot be possibly continued until the decision (whether final or interim) of the Arbitrator is obtained.

16. COUNTER TERMS AND CONDITION OF SUPPLIERS: Where counter terms and conditions printed or cyclostyled conditions have been offered by the supplier, the same shall not be deemed to have been accepted by the Purchaser, unless specific written acceptance thereof is obtained.

17. SECURITY FOR PURCHASE OF MATERIALS: Successful tenderer will have to furnish in the form of a bank guarantee or any other form as called for by the purchaser towards adequate security for the materials and properties provided by the Purchaser for the due execution of the Contract.

18. In eprocurement system submission of bid is a on line process. After submission of bids, bidders have to wait for bid sealing by Purchaser. Subsequently, bidders have to complete open authorization in the eprocurement system to enable the Purchaser to open the bid. If open authorization is not completed by the bidder, then Purchaser will not be able to open the bid and the bid becomes invalid.

In case bidder encounters any technical snag pertaining to eprocurement system while acting on the tender, computer screen shot of the error message with date and time stamp on the web browser along with the query shall be emailed by the bidder to the help desk, for resolution of the problem, at least 5 working days before the due date and time of bid submission. The contact detail of the help desk is available on the home page of the eprocurement website.

Purchaser will make all efforts to resolve technical queries reported by the bidders but will not be bound to do so if the problems are reported beyond the time mentioned above. Purchaser will not be responsible for non submission of bids for such cases.

The time taken to ascertain, evaluate and suggest a solution for the problem reported by bidder may vary from case to case. Hence bidders are advised to submit the bid well in advance before closing date and time to avoid last minute issues.

**DOS PM 22**

**DOS PM 22:**

**INSTRUCTIONS TO TENDERERS AND TERMS and CONDITIONS OF TENDER**

1. Bid /Open Authorization shall be submitted on line only complying specified schedule and complete in all respects with technical specifications, including pamphlets and catalogues.

2. A Proforma Invoice may also be given which should contain the following information:

a) Agency Commission: The amount of commission included in the price and payable to the Indian Agent of the Contractor shall be paid directly to the Indian Agent by the Purchaser in equivalent Indian Rupees on the basis of an Invoice from him applying T.T. buying rate of exchange ruling on the date of placement of the Purchase Order and which shall not be subject to any further exchange variations. This payment will be released to the Indian Agent immediately after Customs clearance of the goods in India.

b) The Contractor shall invoice only for the net amount payable to deducting the amount of Agency Commission included in the invoice which will be paid to the Indian Agent directly by the Purchaser. However, the Contractors invoice should separately reflect the amount of commission payable to his Indian Agent.

c) The earliest delivery period and country of origin of the Stores.

d) Bankers name, address, telephone/fax Nos. and e Mail ID of the Contractor.

e) The approximate net and gross weight and dimensions of packages /cases.

f) Recommended spares for satisfactory operation for a minimum period of one year.

g) Details of any technical service, if required for erection, assembly, commissioning and demonstration.

3. The offer should be valid for a minimum period of 90 days (single part tender) and 120 days (Two part tender) from the due date of opening of the tender.

4. Samples, if called for, should be sent free of all charges.
  
5. Late and delayed tenders will not be considered. Quotations by cable must be followed by detailed offers.
  
6. Offers made by Indian Agents on behalf of their Principals, should be supported by the proforma invoice of their Principals.
  
7. The details of Import Licence will be furnished in the Purchase Order.
  
8. The authority of person signing the tender, if called for, shall be produced.
  
9. Instructions / Operation Manual containing all assembly details including wiring diagrams should be sent wherever necessary in duplicate. All documents / correspondence should be in English language only.
  
10. The Purchaser reserves the right to accept or reject the lowest or any offer in whole or part without assigning any reason.
  
11. It is expressly agreed that the acceptance of the Stores Contracted for is subject to final approval in writing by the Purchaser.
  
12. a) Part shipment is not allowed unless specifically agreed to by us.  
  
b) As far as possible stores should be despatched by Indian Flag Vessels / Air India through any Agency nominated by us.

13. Inspection / Test Certificate should be provided for the goods after testing it thoroughly at the Contractors works. If any Inspection by Lloyds or any other testing agency is considered necessary, it shall be arranged by Contractors.

14. Where erection or assembly or commissioning is a part of the Contract, it should be done immediately on notification. The Contractor shall be responsible for any loss/damage sustained due to delay in fulfilling this responsibility.

15. For items having shelf life, those with maximum shelf life should be supplied if order is placed.

## II. TERMS AND CONDITIONS

### 1. DEFINITIONS:

(a) The term Purchaser shall mean the President of India or his successors or assignees.

(b) The term Contractor shall mean, the person, firm or company with whom or with which the order for the supply of stores is placed and shall be deemed to include the Contractors Successors, representatives, heirs, executors and administrators unless excluded by the Contract.

(c) The term Purchase Order shall mean the communication signed on behalf of the Purchaser by an officer duly authorised intimating the acceptance on behalf of the Purchaser on the terms and conditions mentioned or referred to in the said communication accepting the Tender or offer of the Contractor for supply of stores of plant, machinery or equipment of part thereof.

(d) The term Stores shall mean what the Contractor agrees to supply under the Contract as specified in the Purchase Order.

2. PRICES: Tenders offering firm prices will be preferred. Where a price variation clause is insisted upon by a tenderer, quotations with a reasonable ceiling should be submitted. Such offers should invariably

be supported by the base price taken into account at the time of tendering and also the formula for any such variations.

### 3. TERMS OF PAYMENT:

3.1 Being a Department of the Government of India, the normal terms of payment are by Sight Draft. However other terms of payment like establishment of Letter of Credit may be considered by the Purchaser on such terms and conditions as may be agreed upon.

3.2 The Sight Draft / Letter of Credit will be operative on presentation of the under mentioned documents:

a) Original Bill of Lading / Airway Bill

b) Commercially certified invoices describing the stores delivered, quantity, unit rate and their total value, in triplicate. The invoice should indicate the discounts, if any, and Agency Commission separately.

c) Packing List showing individual dimensions and weight of packages.

d) Country of Origin Certificate in duplicate.

e) Test Certificate.

f) Declaration by the Seller that the contents in each case are not less than those entered in the invoices and the quality of the Stores are guaranteed as per the specifications asked for by the Purchaser.

g) Warrantee and guarantee Certificate/s vide Clause 20 herein below

#### 4. IMPORTANT LICENCE:

Reference to Import License No. and date and Contract number and date shall be prominently indicated in all the documents vide para 3.2

5. DEMURRAGE: Supplier shall bear demurrage charges, if any, incurred by the purchaser due to delayed presentation of shipping documents as prescribed in para 3.2 to the bankers within a reasonable time (say within 10 12 days) from the date of bill of lading for sea consignments and within 34 days from the date of Air Way Bill for air consignments.

#### 6. ADDRESS OF INDIAN AGENTS:

7. GUARANTEED TIME DELIVERY: The time for and the date of delivery stipulated in the Purchase Order shall be deemed to be the essence of the Contract. Delivery must be completed within the date specified therein.

#### 8. INSPECTION AND ACCEPTANCE TEST:

8.1 The Purchasers representatives shall also be entitled at all reasonable times during manufacture to inspect, examine and test on the Contractors premises the material and workmanship of all stores to be supplied under this Contract and if part of the said stores is being manufactured on other premises, the Contractor shall obtain for the purchasers representative permission to inspect, examine and test as if the equipment were being manufactured on the Contractors premises. Such inspection, examination and testing shall not release the Contractor from the obligations under this Contract.

8.2 For tests on the premises of the Contractor or of any of his sub Contractors, the Contractor shall provide free of cost assistance, labour, material, electricity, fuel and instruments as may be required or as may be reasonably needed by the purchasers representative to carry out the tests efficiently.

8.3 When the stores have passed the specified test, the purchasers representative shall furnish a certificate to the effect in writing to the Contractor. The Contractor shall provide copies of the test/s certificates to the purchaser as may be required.

9. CONSIGNEE:Purchase and Stores Officer, Stores,

10. SHIPPING MARKS.

The mark on the shipping documents such as invoice, bill of lading and on the packages should be as follow:

PURCHASE ORDER NO.

DATED

GOVERNMENT OF INDIA

DEPARTMENT OF SPACE

..... (name of the Centre/Unit)

Destination: ..... and

Port of Entry: .....

11. INSURANCE OF THE STORES:The necessity or otherwise of insurance will be as indicated in the Purchase Order.

12. CONTRACTORS DEFAULT LIABILITY:

12.1 The purchaser may upon written notice of default to the Contractor terminate the Contract in whole or in part in circumstances detailed hereunder:



a) If in the judgement of the Purchaser the Contractor fails to make delivery of Stores within the time specified in the Contract/ agreement or within the period for which extension has been granted by the Purchaser to the Contractor.

b) If in the judgment of the Purchaser the Contractor fails to comply with any of the other provisions of this Contract.

13. In the event the Purchaser terminates the Contract in whole or in part as provided in Clause for CONTRACTORS DEFAULT LIABILITY the Purchaser reserves the right to Purchase, upon such terms and in such a manner as he may deem appropriate, stores similar to that terminated and the Contractor shall be liable to the Purchaser for any additional costs for such similar stores and/or for liquidated damages for delay as defined in Clause for DELAY IN COMPLETION / LIQUIDATED DAMAGES until such reasonable time as may be required for the final supply of stores.

13.1 If this Contract is terminated as provided in Clause CONTRACTORS DEFAULT LIABILITY the Purchaser in addition to any other rights provided in this Article, may require the Contractor to transfer title and deliver to the Purchaser under any of the following clauses in the manner and as directed by the Purchaser:

a) Any completed stores.

b) Such partially completed stores, drawing, information and Contract rights (herein after called manufacturing material) as the Contractor has specifically produced or acquired for the performance of the Contract as terminated. The Purchaser shall pay to the Contractor the Contract price for completed stores delivered to and accepted, by the purchaser and for manufacturing material delivered and accepted.

13.2 In the event the Purchaser does not terminate the Contract as provided in Clause 14, the Contractor shall continue the performance of the Contract in which case he shall be liable to the purchaser for liquidated damages for delay as set out in Clause 19 until the stores are accepted.

14. EXTENSION OF TIME: If the completion of supply of stores is delayed due to reason of force majeure such as acts of god, acts of public enemy, acts of Government, fires, floods, epidemics, quarantine restriction, strikes, freight embargoes, etc., the Contractor shall give notice within 15 days to the purchaser in writing of his claim for an extension of time. The purchaser on receipt of such notice after verification, if necessary, may agree to extend the Contract delivery date as may be reasonable but without prejudice to other terms and conditions of the Contract.

15. PACKING:

a) The Contractor wherever applicable shall pack and crate all stores for sea /air shipment as applicable in a manner suitable for export to a tropical humid climate, in accordance with internationally accepted export practices and in such a manner so as to protect it from damage and deterioration in transit by road, rail or sea for space qualified stores. The Contractors shall be held responsible for all damages due to improper packing.

b) The Contractor shall ensure that each box / unit of shipment is legible and properly marked for correct identification. The failure to comply with this requirement shall make the Contractor liable for additional expenses involved.

c) The Contractor shall notify the purchaser of the date of shipment from the port of embarkation as well as the expected date of arrival of such shipment at the designated port of arrival.

d) The Contractor shall give complete shipment information concerning the weight, size, content of each packages, etc.

e) Transshipment of equipment shall not be permitted except with the written permission of the purchaser.

f) Apart from the despatch documents negotiated through Bank, the following documents shall also be airmailed to the purchaser within 7 days from the date of shipment by sea and within 3 days in case of air consignments:

a) Commercial Bill of Lading / Air Way Bill / Post parcel Receipt. (Two non negotiable copies)

b) Invoice (3 copies)

c) Packing List (3 copies)

d) Test Certificate (3 copies)

e) Certificate of Origin.

The Contractor shall also ensure that one copy of the packing list is enclosed in each case.

#### 16. LANGUAGE AND MEASURES:

All documents pertaining to the Contract including specification, schedule, notice, correspondence, operating and maintenance instructions, drawings or any other writings shall be written in English language. The metric system of measurement shall be used exclusively in the Contract.

#### 17. INDEMNITY:

The Contractor shall warrant and be deemed to have warranted that all Stores supplied against this Contract are free and clean of infringement of any patent, copyright or trade mark and shall at all times indemnify the purchaser against all claims which may be made in respect of stores for infringement of any right protected by Patent, Registration of design or Trade Mark, and shall take all risk of accident or damage which may cause a failure of the supply from whatever cause arising and the entire responsibility for the sufficiency of all the means used by him for the fulfillment of the Contract.

#### 18. COUNTER TERMS AND CONDITIONS OF SUPPLIERS:

Where counter terms and conditions/printed or cyclostyled conditions have been offered by the supplier, the same shall not be deemed to have been accepted by the purchaser unless specific written acceptance thereof is obtained.

#### 19. SECURITY INTEREST:

On each item to be delivered under this Contract, including an item of work in progress in respect of which payments have been made in accordance with the terms of the Contract, purchaser shall have a security interest in such items which shall be deemed to be released only at the time when the applicable deliverable item is finally accepted and delivered to the purchaser in accordance with the terms of the Contract. Such security interest of the purchaser shall constitute a prior charge as against any other charge or interest created in respect of such items by any entity.

#### 20. BANK CHARGES:

While the purchaser shall bear the bank charge payable to his Bankers (State Bank of India), the Contractor shall bear the Bank charges payable to his Bankers including the cheques towards advising amendment commissions.

#### 21. TRAINING:

The Contractor shall, if required by the purchaser, provide facilities for the practical training of Purchasers engineering / technical personnel from India and for their active association on the manufacturing processes throughout the manufacturing period of the Contract / stores, number of such personnel to be mutually agreed upon.

#### 22. APPLICABLE LAW:

The Contract shall be interpreted, construed and governed by the laws of India.

23. In eprocurement system submission of bid is a on line process. After submission of bids, bidders have to wait for bid sealing by Purchaser. Subsequently, bidders have to complete open authorization in the eprocurement system to enable the Purchaser to open the bid. If open authorization is not completed by the bidder, then Purchaser will not be able to open the bid and the bid becomes invalid.

In case bidder encounters any technical snag pertaining to eprocurement system while acting on the tender, computer screen shot of the error message with date and time stamp on the web browser along with the query shall be emailed by the bidder to the help desk, for resolution of the problem, at least 5 working days before the due date and time of bid submission. The contact detail of the help desk is available on the home page of the e procurement website.

Purchaser will make all efforts to resolve technical queries reported by the bidders but will not be bound to do so if the problems are reported beyond the time mentioned above. Purchaser will not be responsible for non submission of bids for such cases.

The time taken to ascertain, evaluate and suggest a solution for the problem reported by bidder may vary from case to case. Hence bidders are advised to submit the bid well in advance before closing date and time to avoid last minute issues.

## Bid Templates

### Document Solicited from Vendor

Attachment 1:

Attachment 2:

### Technical Specifications

#### Item Specifications

Sl. No	Specifications	Compliance (Yes /No)	Offered Specifications	Re
1	Distribution switches: 1.Port Density: Switch shall have minimum: 24-10/100/1000 BaseT and 4 - 10 G SFP+ Ports ready for use with SFP+ module 2.Architecture: The switch shall be stand alone/chassis rack mountable 3.Bandwidth: Switch shall have minimum 128 Gbps of switching bandwidth to support above listed ports in non blocking configuration 4.Stackable/Scalable: Switch shall have support for stacking multiple switches 5.Stacking backplane bandwidth: Distribution switch shall			

	<p>have additional port(s) including all the required modules with minimum 40 Gbps stacking bandwidth.</p> <p>6L3 Features for IPv4 and IPv6: Layer 3 features like OSPF/RIP for IPv4 and IPv6 protocols. Any license required for this purpose shall be part of the offered solution</p> <p>7L2 Features:</p> <p>802.1x authentication, Spanning tree etc</p> <p>8LACP: Switch shall support Link aggregation (802.3AD)</p> <p>9Power supply: Power supply - Dual</p> <p>10Netflow/jflow/sFlow or equivalent: Switch shall have provision for netflow/jflow/sFlow or equivalent support</p> <p>11Network Management: Switch shall support network management through Command Line Interface (CLI), SNMP v1, v2c, v3, HTTPs</p> <p>12IPv6 Readiness: IPv6 Readiness from day 1</p> <p>13REGULATORY/SAFETY: switch shall be conforming to UL 60950 and EN60950</p> <p>14EAL/NIAP certified: Switch model number shall be EAL3+ or NIAP/NDPP certified</p>			
2	<p>Access switches: Access switches for Intranet &amp; Internet LANs shall meet the following</p>			

	<p>specifications:1.Port Density: Switch shall have minimum: 24 or 48 (as per BOQ) 10/100/1000 BaseT Ports and 2 - 1G SFP Ports ready for use with SFP module.2.Architecture: The switch shall be stand alone rack mountable3.Bandwidth: Switch shall have minimum 52 ( for 24 ports) / 100 ( for 48 ports) Gbps of switching bandwidth to support above listed ports in non blocking configuration4.PoE+ Budget: Switch shall support PoE Power budget of minimum 120W to support 8 ports with PoE power of 15W each or 4 ports with PoE+ power of 30W each5.Stackable/Scalable: Switch shall have support for stacking multiple switches6.Stacking backplane bandwidth: Access switch shall have additional port(s) for providing minimum 40 Gbps stacking bandwidth. 7.L2 Features: 802.1x authentication, Spanning tree etc8.Netflow/jflow/sFlow or equivalent: Switch shall have provision for netflow/jflow/sFlow or equivalent</p>		
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	<p>support9.Network Management: Switch shall support network management through Command Line Interface (CLI), SNMP v1, v2c, v3,HTTPS10.IPv6 Readiness: IPv6 Readiness from day</p> <p>11.REGULATORY/SAFETY: switch shall be conforming to UL 60950 and EN6095012.EAL/NIAP certified: Switch model number shall be EAL or NIAP/NDPP certified</p>			
3	<p>Passive Components:1.All CAT6A Cabling and Components offered should be shielded.2.Cat6 A Cabling Solution should be ETL Verified 4-Connector Channel to ISO/IEC 11801 AMD 1 Class EA or latest, along with channel illustration, and parts numbers.(ETL certificate to be submitted along with the bid)Category 6A or better, 4 Pair Shielded cable U/FTP or F/UTP1.Category 6A or better, 4 pair , U/FTP or F/UTP Cable2.Cable should Comply with ANSI/TIA/EIA-568-C.2 and ISO/IEC 11801</p> <p>3.Transmission Properties and Electrical Specifications tested minimum up to 500 MHz</p>			

	and verified by ETL4.Sheath Type: Low Smoke Zero Halogen (LSZH)			
4	Face Plate (Dual and Quad)1.Single Gang square plate2.Should be able to support variety of jacks – UTP, STP etcSMB Box to be supplied along with Quad Face Plate.			
5	Shielded Cat 6A INFORMATION OUTLET U/FTP or F/UTP1.Compliance to Category 6A or better, TIA568C.2 – 500MHz2.Should be shielded			
6	PORT SHIELDED CAT6A JACK PANEL Unloaded1.Have port identification numbers on the front of the panel.2.Should have self- adhesive, clear label holders 3.Each port / jack on the panel should be individually removable on field from the panel.4.Should have integrated rear cable management metallic shelf.5.Should have separate provision of grounding			
7	Patch Cords – Cat 6 A shielded 1,2 mtrs1.Should be 4 pair shielded copper			

	<p>wire2.Factory pre-terminated with shielded RJ45 plugs3.Screen material – Aluminum/polyester shield 4.Sheath: Low Smoke Zero Halogen (LSZH)5.Shall Comply to TIA-568-C.2 Cat 6A</p>			
8	<p>7.03.07Optical Fiber Cable Outdoor Dielectric Multi-Loose Tube SM 24 CORE OS21.Should be ISO/IEC 11801 - 2nd Edition, type OS2 or better Dielectric Multi-Loose Tube, Identification: Multi Loose Tube with Colour Coded tubes2.Water Blocking with Gel3.Peripheral Strength Member: GFR (Glass Fibre Reinforcement) or equivalent4.Central Strength Member: Fibre Reinforced Plastic/Glass or equivalent5.Inner Sheath: HD Polyethylene or equivalent6.Max. Tensile Strength-Short Term: 2500N or better</p>			
9	<p>FIBER PATCH PANELS 24 Port/LIU – RACK MOUNT DRAWER STYLE/SLIDING UNLOADED1.Should be made of metallic2.Should be drawer/sliding style3.Have splice trays and sleeves loaded inside</p>			

	<p>the LIU 4. Provide self-adhesive labels for better cable management</p> <p>5. Should be 19 inch rack mountable with 24 ports</p> <p>ADAPTER PLATE WITH THREE DUPLEX SC SM ADAPTORS</p> <p>1. All SC adaptors should be duplex type</p> <p>Single Mode</p> <p>2. Adapters plate should be easy snap mount</p>			
10	<p>OPTICAL FIBER PIGTAILS, 1 MTR or 1.5 MTR SM OS</p> <p>21. Precision ferrule end face geometry</p> <p>2. Factory polished</p>			
11	<p>OPTICAL FIBER EQUIPMENT CORDS (MINIMUM 3 METER)</p> <p>SC-LC/LC-LC</p> <p>1. All optical fiber patch leads shall comprise of Single-mode 9/125µm fiber</p> <p>OS</p> <p>22. Jacket should be LSZH sheath</p>			
12	<p>HDPE PIPE</p> <p>1. SIZE : 40/33 MM</p> <p>2. Should be permanently Lubricated (PLB)</p> <p>3. Colour: Orange</p>			
13	<p>PVC Pipe And Accessories like bends, Junctions and T</p> <p>1. SIZE : 25.4 mm</p> <p>2. Should be ISI mark</p>			
14	<p>PVC DADO Wall Trunking</p> <p>1. Three compartment Trunking</p>			

	with provision to install network I/O in the middle compartment.2.All accessories like cable retainer, Cable divider, external angles, internal angles, Flange Couplers, Joint Covers, End Caps to included			
15	PVC Wall Mini Trunking1.All accessories like external angles, internal angles, End Caps, Flat Angle, Flat Tee to be included			
16	Rack 32 U, 42 U Floor Mount 1.Rack should be UL Listed2.Rack Should be Modular3.Size 32 U rack of 800 x 800 and 42 U Rack of 800 X1000 or bigger size4.Should Have 2 Nos of 5 port or more Octagonal PDU 5/15 Amp with MCB5.Should have Fan Tray with 4 Fans 6.Should Have 4 Nos of Cable manager Duct type 1U 7.Should Have earthing Kit 8.Should Have Front Glass Door and rear perforated door9.Rack shall be three sides open able.10.Rack should have provision for entry of cables from top and bottom11.Rack should have 2 vertical cable manager-concealed type			

## Vendor Specified Terms

Description	Vendor Terms
<p>1. This being two part Tender Technical and Commercial parts separate, the bidder should not attach any document(s) containing pricing information alongwith Technical Part. The tenders containing price information in Technical Part will be summarily rejected. Prices should be indicated in the Price Bid format only.</p> <p>If any pricing information, Vendor/s like to provide shall be uploaded as a separate pdf file under tab Supporting documents (Commercial).</p>	
<p>2. A Pre Bid Meeting shall be held with the prospective bidders at SCL on 18.02.2020 from 1100 hours (IST) onwards to clarify issues regarding the specifications and other associated technical / commercial details of the subject tender. The prospective bidders must, therefore, ensure that they or their authorized representatives attend the said Pre Bid Meeting in person / over tele conference / over skype as per the given schedule. In order to enable meaningful discussions in the Pre Bid Meeting, the prospective Bidders are requested to list the queries/clarifications planned to be sought by them on this Tender in the Pre Bid Meeting, in a Query Sheet and send us the said Query Sheet in advance to reach us at least three days before the Pre Bid Meeting at the email ID (harjeet@scl.gov.in / a_budhwar@scl.gov.in / dc@scl.gov.in). Before submitting the bids, all prospective bidders are requested to go through the minutes of proceeding of the Pre Bid Meeting which shall be placed at our website and take the same into account while submitting the bids.</p> <p>The Vendor who do not attend in the Pre Bid Meeting, shall not be eligible for participating in the bidding process. If any vendor submit their bid without attending Pre Bid Meeting, their bid shall be treated as unsolicited bid.</p>	
<p>3. DELIVERY TERMS (FOR FOREIGN VENDOR):</p>	

<p>For supply Store/s: Prices shall be quoted on Ex works basis inclusive of all taxes, levies, duties arising in the tenderer country.</p>	
<p>4.DELIVERY TERMS (FOR INDIGENOUS VENDOR):</p> <p>For supply Store/s: Stores shall be despatched on F.O.R destination basis i.e. SCL, S.A.S. Nagar, Mohali, Punjab exclusive of GST as may be applicable</p>	
<p>5.MODE OF DESPATCH (IN CASE OF FOREIGN VENDOR):</p> <p>Store (s) shall be dispatched by air to IGI Airport; New Delhi under consolidation services through Purchaser designated freight forwarder. The contact details of the Freight Forwarder shall be indicated in the purchase order.</p>	
<p>6.MODE OF DESPATCH (FOR INDIGENOUS VENDOR):</p> <p>Vendors responsibility.</p>	
<p>7.DELIVERY AND INSTALLATION SCHEDULE:</p> <p>The Supply, Installation, Commissioning and Testing shall be completed within 12 weeks from the date of Purchase order.</p>	
<p>8.DELAY IN COMPLETION/LIQUIDATED DAMAGES:</p> <p>If the Contractor fails to deliver of the store/s or the Installation, Commissioning and Testing within the time specified in the Contract or any extension thereof, the purchaser shall recover from the Contractor as liquidated damages a sum of half percent (0.5 percent) of the total purchase order value for every calendar week of delay. The total liquidated damages shall not exceed ten percent (10 percent) of the</p>	

purchase order value.

The term Stores shall mean all that the Contractor agrees to supply under the Contract as specified in the Purchase Order including its installation, testing and commissioning as per the specifications.

**9.SECURITY DEPOSIT:**

On acceptance of the purchase order, the Contractor shall submit security deposit for ten percent (10 percent) value of the Purchase Order (PO) within 15 days from the date of receipt of PO towards successful execution of the PO. Security Deposit shall be submitted through Demand Draft / Bankers Cheque/ Fixed Deposit Receipt or Bank Guarantee (BG) from any of the Scheduled Banks executed on non judicial stamp paper of appropriate value, and shall be valid for a period of sixty (60) days beyond the date for completion of the Purchase Order.

This will be returned by SCL immediately on execution of the PO satisfactorily as per order terms. If not, the amount will be forfeited.

Note:

In case of BG, Vendor to ensure that their Banker gives Bank Guarantee (BG) confirmation over email from Bank Domain immediately after issuance of the same at the following email Ids:

njain@scl.gov.in

CC: abudhwar@scl.gov.in

dc@scl.gov.in

In addition the banker may send a scanned copy of the BG as an



attachment.	
<p>10.TERMS OF PAYMENT(IN CASE OF FOREIGN VENDOR):</p> <p>90% value of the supply parts value shall be paid within 30 days of receipt of material at Purchaser site against presentation of original shipping documents(invoice, AWB etc.) to SCL and the balance 10% amount shall be payable on acceptance of the entire project alongwith 100% of installation charges against a Performance Bank Guarantee.</p> <p>Payment shall be released after TDS on services (installation etc.), if any.</p>	
<p>11.TERMS OF PAYMENT(IN CASE OF INDIGENOUS VENDOR):</p> <p>90% value of the supply parts shall be paid within 30 days of receipt of material at Purchaser site against presentation of documents (invoice etc.) to SCL and the balance 10% amount shall be payable on acceptance of the entire project alongwith 100% of installation charges against a Performance Bank Guarantee.</p> <p>Payment shall be released after TDS on services (installation etc.), if any.</p>	
<p>12.BANK CHARGES:</p> <p>While the Purchaser shall bear the Bank Charges payable to his Banker in INDIA and the Vendor shall bear all the Bank Charges payable to their Bankers outside INDIA.</p>	
<p>13.PERFORMANCE BANK GUARANTEE (PBG):</p> <p>The Contractor shall furnish a Bank Guarantee (as per format given by purchaser) from any nationalized/scheduled bank for an amount equivalent to 10% of the value of the Contract and shall be valid for a</p>	

<p>period of 60 days beyond the expiry date of warranty period. On the performance and completion of the Contract in all respects, the Bank Guarantee will be returned to the Contractor without any interest.</p> <p>Note:</p> <p>Vendor to ensure that their Banker gives Bank Guarantee(BG) confirmation over email from Bank Domain immediately after issuance of the same at the following email Ids:</p> <p style="padding-left: 40px;">njain@scl.gov.in</p> <p style="padding-left: 40px;">CC: abudhwar@scl.gov.in</p> <p style="padding-left: 80px;">dc@scl.gov.in</p> <p>In addition the banker may send a scanned copy of the BG as an attachment.</p>	
<p>14.For Indigenous Vendor</p> <p>GST:</p> <p>Purchaser is entitled to concessional GST of 5% as per Ministry of Finance Department of Revenue, Notification No. 47/2017 Integrated Tax (Rate) both dated 14th November 2017 respectively and would accordingly issue Exemption Certificate in favour of the contractor quoting in Indian Rupees. The bidder should take note of the same while quoting the prices in Indian Rupees. GST on installation/ services shall be applicable @18%.</p>	
<p>15.For imported Stores, the Purchaser is entitled to issue Customs duty exemption certificate (CDEC) to the contractor under customs notification no.51/96 dated 23.07.1996 and subsequent amendments to enable the contractor to avail off the benefit of concessional rate of customs duty under this notification. CVD under this notification is nil. In addition to the above CDEC, any documentary support requested by</p>	

the contractor from the purchaser for customs clearance of goods against the above CDEC shall be provided by the purchaser.

**16. Warranty :**  
The Contractor shall provide warranty of complete project for parts as well as labour for a period of 36 months from the date of final acceptance at Purchasers site at no extra charges against any manufacturing defect/faulty workmanship. In case any defect arises during warranty period, the Contractor should replace/rectify the same at its own cost at site/works.

**17. WARRANTY REPLACEMENTS:**  
In case of foreign vendor, if in the opinion of the purchaser it becomes necessary to replace or repair defective equipment / items during the warranty period, such replacement or repair shall be made by the Contractor free of all costs to the Purchaser provided the notice informing the Contractor of the defect is given by the Purchaser in this regard, within period of 36 months from the date of acceptance thereof.  
  
All replacement parts during the warranty period shall be supplied by the Contractor, free of cost on DDP (Delivery Duty Paid) basis with freight and insurance upto Purchaser site at S.A.S. Nagar, Punjab and customs duty applicable in India to the Contractor account including compliance with the customs procedure in India.  
  
The indigenous vendor, replacement parts, if any, shall be supplied by the Contractor free of cost on F.O.R. Purchaser site at SAS Nagar, Punjab basis.  
  
All defective part/s including the imported part/s shall be returned by Purchaser to the Contractor, if requested, on Freight to pay basis after

<p>receipt of replacement part/s.</p>	
<p><b>18.VALIDITY:</b></p> <p>The tender must be valid for a minimum period of 120 days from the date of opening of Technical bid and 90 days after opening of Price bid.</p>	
<p><b>19.INSTALLATION AND COMMISSIONING :</b></p> <p>Installation commissioning and demonstration of performance of the tendered stores as per Purchaser tendered specifications shall be carried out by the Contractor at Purchaser site at S A S Nagar Punjab India.</p> <p>The Contractor shall provide in advance guidelines for preparation of the installation site and list of items to be supplied by Purchaser during installation.</p> <p>On receipt of intimation from the Purchaser the Contractor shall depute its engineer(s) to Purchaser site within two weeks to carry out installation and commissioning and will demonstrate the functionality of the tendered equipment to Purchaser specifications as per mutually agreed acceptance procedure. The Contractor shall be responsible for any loss/damages sustained due to delay on the part of the Contractor to send its engineer for installation and commissioning.</p> <p>Decision regarding successful installation and commissioning shall rest solely with the Purchaser.</p>	
<p><b>20.REJECTION:</b></p> <p>In the event that any of the stores supplied by the Contractor is found defective in material or workmanship or otherwise not in conformity with the requirements of the Contract specifications the purchaser shall either reject the stores or request the Contractor in writing to rectify the same. The Contractor, on receipt of such notification shall either rectify or replace the defective stores free of cost to the purchaser. If the Contractor fails to do so the purchaser may at his option either :</p>	

<p>a) replace or rectify such defective stores and recover the extra cost so involved from the Contractor or</p> <p>b) terminate the Contract for default as provided in this tender document.</p>	
<p>21.EXTENSION OF TIME :</p> <p>If the completion of supply of stores is delayed due to reason of force majeure such as acts of god, acts of public enemy, acts of Government fires floods epidemics quarantine restriction strikes freight embargoes etc., the Contractor shall give notice within 15 days to the purchaser in writing of his claim for an extension of time. The purchaser on receipt of such notice after verification, if necessary may agree to extend the Contract delivery date as may be reasonable but without prejudice to other terms and conditions of the Contract.</p>	
<p>22.Labour Law: Contractor shall abide by all labour laws, rules and regulations in India, which are prevailing, and as enforced from time to time and SCL shall not be responsible for any accident or mishap during the course of the contract to any of engineer/ labour employee by the Contractor. The contractor shall also ensure that the statutory obligations with regards to the employment of labour under law are complied properly and timely.</p>	
<p>23.ARBITRATION:</p> <p>In the event of any dispute/s, difference/s or claim/s arising out of or relating to the interpretation and application of the Contract, such dispute/s or difference/s or claim/s shall be settled amicably by mutual consultations of the good Offices of the respective Parties and recognizing their mutual interests attempt to reach a solution satisfactory to both the parties. If such a resolution is not possible, within 30 days from the date of receipt of written notice of the existence of such dispute/s, then the unresolved dispute/s or difference/s or claim/s shall be referred to the Sole Arbitrator appointed by the Parties by mutual consent in accordance with the rules and procedures of Arbitration and Conciliation Act 1996 as</p>	

<p>amended from time to time. The arbitration shall be conducted in New Delhi in the Arbitration and Conciliation Centre New Delhi (Domestic and International) as per its rules and regulations. The expenses for the Arbitration shall be shared equally or as may be determined by the Arbitrator. The considered and written decision of the Arbitrator shall be final and binding between the Parties. The applicable language for Arbitration shall be English only.</p> <p>Work under the Contract shall be continued by the CONTRACTOR during the pendency of arbitration proceedings, without prejudice to a final adjustment in accordance with the decision of the Arbitrator unless otherwise directed in writing by the DEPARTMENT or unless the matter is such that the works cannot be possibly continued until the decision (whether final or interim) of the Arbitrator is obtained.</p>	
<p>24.APPLICABLE LAWS: The contract shall be interpreted, construed and governed by laws of India. The contract shall be subject to exclusive Jurisdiction of the Court of SAS Nagar (Mohali), Punjab, India irrespective of anything mentioned in any correspondences or otherwise.</p>	
<p>25.Any Other Term:</p>	

**Supporting Documents from Vendor**

**Attachment - I:**

**Attachment - II:**

**Price Bid Form**

Item Description	Slab Range	Qty	UOM	Currency	Unit Price
Distribution Switch (SCL Item	-	2	No.	-	-

Code: 104433013)					
Access Switch-24 Port (SCL Item Code: 104633004)	-	6	No.	-	-
Access Switch- 48 Port (SCL Item Code: 104633011)	-	6	No.	-	-
Fiber Transceiver SM 10GSFP+ (SCL Item Code: 104633014)	-	6	No.	-	-
Fiber Transceiver SM 1G SFP (SCL Item Code: 104633015)	-	12	No.	-	-
Cat 6A cable (SCL Item Code: 104126098)	-	18300	MTR	-	-
Cat 6A Patch Panel (SCL Item Code: 104126104)	-	24	No.	-	-
Cat 6A Information outlet Rack Side (SCL Item Code: 104126140)	-	500	No.	-	-
Cat 6A Information outlet Field Side (SCL Item Code: 104126106)	-	500	No.	-	-
Cat 6A Patch Cords 1.0 mtrs (SCL Item Code: 104126106)	-	300	No.	-	-

104126067)					
Cat 6A Patch Cords 2.0 mtrs (SCL Item Code: 104126068)	-	300	No.	-	-
Face Plate Duplex 3x3 as per specs (SCL Item Code: 104126107)	-	80	No.	-	-
Face Plate Quad 3x3 as per specs (SCL Item Code: 104633016)	-	40	No.	-	-
Fiber SM OS2 24 core as per specs (SCL Item Code: 104633017)	-	250	MTR	-	-
LIU 24 Port Unloaded with Splice tray, Adapter panel and adapters SM SC type (SCL Item Code: 104633018)	-	4	No.	-	-
Pigtails SMOS2 as per specs (SCL Item Code: 104633020)	-	96	No.	-	-
Patch Cords SC -LC SM OS2,3 mtrs as per specs (SCL Item Code: 104633021)	-	20	No.	-	-
Patch Cords SC - SC SM OS2 ,3 mtrs as per specs (SCL	-	20	No.	-	-



Item Code: 104633022)					
HDPE pipe as per specs (SCL Item Code: 104633023)	-	100	MTR	-	-
Rack 32 U as per specs (SCL Item Code: 401411721)	-	2	No.	-	-
Rack 42 U as per specs (SCL Item Code: 104448041)	-	2	No.	-	-
PVC dado Trunking with accessories as per specs (SCL Item Code: 104633026)	-	200	MTR	-	-
Mini Trunking with accessories as per specs (SCL Item Code: 104633028)	-	200	MTR	-	-
Conduit Flexible 1 inch Steel Type(SCL Item Code: 104172342)	-	100	Bot	-	-
Installation of Cat 6A cable	-	18300	MTR	-	-
Installation of Cat 6A Patch Panel	-	24	No.	-	-
Installation of Cat 6A Information outlet Rack Side and Penta Scanning	-	500	No.	-	-

Installation of Cat 6A Information outlet Field Side and Penta Scanning	-	500	No.	-	-
Installation of Face Plate Duplex 3x3 as per specs	-	80	No.	-	-
Installation of Face Plate Quad 3x3 as per specs with SMB Box	-	40	No.	-	-
Installation of Fiber SM OS2 24 core as per specs	-	250	MTR	-	-
OFC Termination and OTDR Testing	-	96	No.	-	-
Laying of HDPE	-	100	MTR	-	-
Installation of PVC Conduit/Flexible Conduit/Mini Trunking	-	400	MTR	-	-
Installation of Dado Trunking	-	200	MTR	-	-
Trenching of Soft Soil	-	100	MTR	-	-
Trenching of Hard Soil	-	100	MTR	-	-
Installation of Racks	-	4	No.	-	-
Conduit PVC 25.4 MM with ISI Mark(SCL Item	-	100	MTR	-	-

Code: 104172231)					
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Break-up of other taxes and other costs should be specified in respective narration columns.

Sum of these Break-up values should be specified in respective value columns.

**Supporting Documents from Vendor (Commercial)**

**Document attachment with price bid**

**Attachment - I:**

**Attachment - II:**